**GUIA DE EJERCICIOS NOMENCLATURA DE GRUPOS FUNCIONALES**

**RESPUESTAS**

1. **Determine el nombre de los siguientes compuestos**

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| http://www.alonsoformula.com/organica/images/haloxe31.gif | http://www.alonsoformula.com/organica/images/haloxe30.gif | http://www.alonsoformula.com/organica/images/alcoho11.gif |
| o-diclorobenceno | 1-bromo-2buteno | 1,2-butanodiol |

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| http://www.alonsoformula.com/organica/images/alcoho18.gif | ch3 – co – ch2 – ch3 | http://www.alonsoformula.com/organica/images/eteres47.gif |
| 2,3-ciclohexanol | 2-butanona o etil-metil-cetona | Isobutil-isopropil-éter o 2metiletoxi-2metilpropano |

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|  | ch3 – ch2 – o – ch3 | nomenclatura aminas |
| 4-hidroxi-butanal | Etil-metil-éter o metoxietano | Dimetil-amina |

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| http://www.alonsoformula.com/organica/images/eteres103.gif | nomenclatura aminas | ch3 – coo – ch3 |
| Butil-isopropil-éter o 2metiletoxi-butano | ciclopentilamina | Etanoato de metilo |

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| ch3 – ch2oh |  | ch3 – ch2 – cooh |
| etanol | 3-hidroxi-5-metil-ciclohexanona | Ácido propanoico |

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| nomenclatura aminas | Nomenclatura de eteres | nomenclatura aminas |
| N-Etil-N-Metil-Propilamina | Fenil-metil-éter | 3-metil-2petanamina |

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| Nomenclatura de eteres | Nomenclatura de aldehídos y cetonas | Nomenclatura de aldehídos y cetonas |
| Etil-propil éter o etoxipropano | 2 metil-propanal | 2,2-dimetil-propanodial |

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| Nomenclatura de ésteres | Nomenclatura de aldehídos y cetonas | Nomenclatura de amidas |
| Metanoato de isopropilo | 5-hidroxi-2hexanona | N,N-dimetil-butanamida |
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| Ácido 3-hidroxi-propanoico | 4-cloro-2,2-pentanodiol | Ácido-4-bromo-5-hidroxi-3-metil-hexanoico |

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| Nomenclatura de amidas | Nomenclatura de ésteres | Nomenclatura de ésteres |
| etanamida | 4-bromo-3-hidroxi-butanoato de etilo | 3-hidroxi-2-pentanona |

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| nomenclatura aminas | problemas nomenclatura benceno | nomenclatura aminas |
| metilamina | 3-cloro-fenol | Trimetil-amina |

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| Nomenclatura de eteres | Nomenclatura de eteres | Nomenclatura de eteres |
| Fenil-metil-éter | Ciclopropil-metil-éter o metoxiciclopropano | Metil, isopropil éter o metoxi-2metiletano |

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| Nomenclatura de aldehídos y cetonas | Nomenclatura de ésteres | Nomenclatura de amidas |
| ciclopentanona | Etanoato de etilo | metanamida |

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| Nomenclatura de ésteres | Nomenclatura de amidas | H-CHO |
| Etanoato de metil | N-metil-propanamida | metanal |

1. **Determine la fórmula condensada o esquelética de los siguientes compuestos**

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| 1. N-Metilciclohexanamina |  | 1. Ciclohexil fenil éter |

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| 1. N-etil-N-isopropil-pentanamida |  | 1. Butil etil éter |

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| 1. Metoxiciclohexano |  | 1. Butanol |

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| 1. Metanoato de metilo |  | 1. Butanamida |

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| 1. Metanoato de isopropilo |  | 1. Benzamida |

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| 1. Metanamida |  | 1. Benzaldehído |

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| 1. m-Diciclorobenceno |  | 1. 3-Hidroxiciclopentanona |

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| 1. m-Bromoclorobenceno |  | 1. 3,3-Dimetil-2-butanamina |

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| 1. Isopropoxibutano |  | 1. Ácido propanoico |

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| 1. Hexanoato de ciclohexilo |  | 1. 2-Metil-1-propanol |

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| 1. Fenilamina (anilina) |  | 1. 2-Hidroxibutanoato de metilo |

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| 1. Etil fenil éter |  | 1. 2-Fenil-5-metil-2 heptanol |

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| 1. Etanol |  | 1. Etanal (acetaldehído) |

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| 1. Ácido p-aminobenzoico |  | 1. Difenilamina |

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| 1. Ácido butanodioico |  | 1. N,N-Dimetilpentanamina |

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| 1. Ácido bromoacético (ácido bromoetanoico) |  | 1. Difenil éter |

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| 1. Ácido 5-bromo-2-metilpentanoico |  | 1. 3-Metil-2,5-octanodiona |

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| 1. N,N-Dimetiletanamida |  | 1. Dietil éter |

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| 1. Ácido 3-ciclopentilpropanoico |  | 1. 2,3-Dimetilciclohexanol |

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| 1. 3-Hidroxiciclohexanocarbaldehído |  | 1. Ácido propanodioico |

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| 1. Butanal |  | 1. Metoxipentano |

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| 1. 3-Metilbutanal |  | 1. 2,3-Pentanodiol |

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| 1. 3-Metil-3-pentenal |  | 1. 1,2,3-Propanotriol (glicerina) |